Discrete Mathematics
Volume 240, Numbers 1–3, 28 September 2001

Contents

Contributions

J. Bierbrauer
An infinite family of 7-designs 1

G.T. Bogdanova and P.R.J. Östergård
Bounds on codes over an alphabet of five elements 13

C.-H. Chang, Y.-C. Chuang and L.-H. Hsu
Additive multiplicative increasing functions on nonnegative square matrices and multidigraphs 21

N. Hindman and R. McCutcheon
VIP systems in partial semigroups 45

K. Kawarabayashi, K. Ota and A. Saito
Hamiltonian cycles in *n*-factor-critical graphs 71

A.E. Kézdy and M. Scobee
A proof of Hougardy's conjecture for diamond-free graphs 83

J.F. Korsh
Loopless generation of up–down permutations 97

A.V. Kostochka and D.R. Woodall
Choosability conjectures and multicircuits 123

S. Milici, A. Rosa and V. Voloshin
Colouring Steiner systems with specified block colour patterns 145

D. Mills
Factorizations of root-based polynomial compositions 161

H. Nagamochi, M. Miller and Slamin
Bounds on the number of isolates in sum graph labeling 175

S. Negami
Diagonal flips in pseudo-triangulations on closed surfaces 187

M. Sebille
An extension theorem for *t*-designs 197

H.-M. Sun
Segments in a planar nearring 205

Discrete Mathematics
Volume 240, Numbers 1–3, 28 September 2001

Contents

Contributions

J. Bierbrauer
An infinite family of 7-designs 1

G.T. Bogdanova and P.R.J. Östergård
Bounds on codes over an alphabet of five elements 13

C.-H. Chang, Y.-C. Chuang and L.-H. Hsu
Additive multiplicative increasing functions on nonnegative square matrices and multidigraphs 21

N. Hindman and R. McCutcheon
VIP systems in partial semigroups 45

K. Kawarabayashi, K. Ota and A. Saito
Hamiltonian cycles in *n*-factor-critical graphs 71

A.E. Kézdy and M. Scobee
A proof of Hougardy's conjecture for diamond-free graphs 83

J.F. Korsh
Loopless generation of up–down permutations 97

A.V. Kostochka and D.R. Woodall
Choosability conjectures and multicircuits 123

S. Milici, A. Rosa and V. Voloshin
Colouring Steiner systems with specified block colour patterns 145

D. Mills
Factorizations of root-based polynomial compositions 161

H. Nagamochi, M. Miller and Slamin
Bounds on the number of isolates in sum graph labeling 175

S. Negami
Diagonal flips in pseudo-triangulations on closed surfaces 187

M. Sebille
An extension theorem for *t*-designs 197

H.-M. Sun
Segments in a planar nearring 205

W. Yan and B. Liu
Some results on integral sum graphs 219

Notes

S. Arumugam, I. Rajasingh and P.R.L. Pushpam
Graphs whose acyclic graphoidal covering number is one less than its maximum degree 231

R.A. Brualdi and S. Hollingsworth
Multicolored forests in complete bipartite graphs 239

M. Fischermann
Block graphs with unique minimum dominating sets 247

S.L. Fitzpatrick, R.J. Nowakowski, D. Holton and I. Caines
Covering hypercubes by isometric paths 253

Q. Huang and A. Chang
Circulant digraphs determined by their spectra 261

M. Lemos
On Mills's conjecture on matroids with many common bases 271

H. Shahmohamad
Some flow-equivalent planar and non-planar graphs 277

M. Tomiyama
On the primitive idempotents of distance-regular graphs 281

Q. Wang and J. Yuan
Maximal IM-unextendable graphs 295

Author index to volume 240 299